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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/876,150	06/08/2001	Heui-jong Kang	1293.1217	6721

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EXAMINER

DANG, DU Y M

ART UNIT	PAPER NUMBER
2621	

2621

DATE MAILED: 04/07/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No. 09/876,150	Applicant(s) KANG ET AL.	
Examiner Duy M Dang	Art Unit 2621	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on 21 September 2004.
- 2a) This action is **FINAL**.
- 2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1-30 is/are pending in the application.
4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) Claim(s) 20-30 is/are allowed.
- 6) Claim(s) 1,8-11 and 19 is/are rejected.
- 7) Claim(s) 2-7 and 12-18 is/are objected to.
- 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) All b) Some * c) None of:
1. Certified copies of the priority documents have been received.
2. Certified copies of the priority documents have been received in Application No. _____.
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) Notice of References Cited (PTO-892)
- 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.
- 4) Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) Notice of Informal Patent Application (PTO-152)
- 6) Other: _____.

DETAILED ACTION

1. Applicant's election with traverse of Group I (claims 1-26 and 28-30) filed 9/21/04 is acknowledged. In view of Applicant's remark [see last paragraph of page 1 to first full paragraph of page 2], the election is herein withdrawn because the search of group I invention will cover the search for group II invention.

2. The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

3. Claims 8-10 and 19 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention.

Regarding claim 8, the limitation of "a decoding unit which decodes the parallel graphic signal into a compressed graphic signal" recited in lines 6-7 is found no support. How the "a decoding unit decodes the parallel graphic signal into a compressed graphic signal"?

Dependent claims 9-10 and 19 are also rejected for the same reasons as set forth above.

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

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5. Claims 1 and 11 are rejected under 35 U.S.C. 103(a) as being unpatentable over Applicant's admitted prior art [see figure 1 and its corresponding text portion on last two paragraphs of page 1 to first two paragraphs of page 3. Referred as the AAPA hereinafter] in view of Fields et al. [USPN 6,771,671].

Regarding claim 1, the AAPA teaches an apparatus for transmitting a graphic signal generated by a graphic signal generation unit to a display unit [see figure 1: transmission unit 11, reception unit 12, and display unit 13], the apparatus comprising:

a transmission interface unit which: compares a current graphic signal with a previous graphic signal and compresses the current graphic signal to generate transmission data based on the comparison, modulates the transmission data together with header information into an optical signal for transmission via a single channel and transmits the optical signal [see transmission unit 11 of figure 1];

a reception interface unit which regenerates a graphic signal based on the transmission data and header information contained in the optical signal and transmits the regenerated graphic signal to the display unit [see reception unit 12 of figure 1].

While the AAPA teaches transmitting graphic data [see last three lines of page 1], the AAPA does not explicitly teach the use of optical transmission medium as a means for transmitting data. Using optical transmission is well known in the art as evidenced by Fields et al. [see col. 4 lines 35-36 and item 124 of figure 3]. Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to use the conventional teachings as taught by Fields et al in combination with the AAPA in order to allow faster transmission.

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The advanced statements as applied to claim 1 above are incorporated herein. With regard to claim 11, Fields further teaches compression [see col. 4 lines 48-55].

6. Claims 2-7 and 12-18 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

7. Claims 20-30 are allowed.

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Duy M Dang whose telephone number is 571-272-7389. The examiner can normally be reached on Monday to Friday from 6:30AM to 3:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bhavesh Mehta can be reached on 571-272-7453. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

dmd
4/2005



Duy M. Dang
Patent Examiner